## Supplementary Financial Information for the first quarter of fiscal year ending March 2019

Contents
Consolidated Statement of Income • • • P. 1
Consolidated Sales by Segment • . . P. 1
Consolidated Balance Sheets • . . P. 2
Consolidated Statements of Cash Flows . . . P. 2
Consolidated Statement of Income (1st Half) • • • P. 3
Consolidated Statement of Income (Full Year) . . . . P. 3
Consolidated Sales by Segment (Full Year) • • • P. 3
Consolidated Statements of Income (Quarterly) . . . . P. 4
Consolidated Sales by Segment (Quarterly) • . . P. 4
Consolidated Balance Sheets (Quarterly) . . . . P. 5
Consolidated Statements of Cash Flows (Quarterly) • • • P. 5

## MARUBUN CDRPDRATION

http://www.marubun.co.jp/en/index.html http://www.marubun.co.jp/en/ir_e/index.html (IR Website)

> Within the presentation, information on the future performance such as results forecasts is based on the data available at the time this presentation was prepared that the Company assumes reasonable. Actual performance depends on various important factors and may differ significantly from the estimates contained herein.

Consolidated Statement of Income

| (Millions of Yen) | $\begin{gathered} \hline \text { FY2017 } \\ 17 / 4-6 \\ \text { Results } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { FY2018 } \\ \text { 18/4-6 } \\ \text { Results } \\ \hline \end{gathered}$ | Increase /Decrease |
| :---: | :---: | :---: | :---: |
| Net Sales | 70,464 | 71,211 | 747 |
| Electronic Devices | 62,118 | 60,920 | $(1,198)$ |
| Electronic Systems | 8,345 | 10,291 | 1,946 |
| Cost of Sales | 65,594 | 65,682 | 88 |
| Gross Profit | 4,869 | 5,529 | 660 |
| Electronic Devices | 3,528 | 4,159 | 631 |
| Electronic Systems | 1,340 | 1,369 | 29 |
| Selling, general and administrative expenses | 4,218 | 4,314 | 96 |
| Personal expenses | 2,578 | 2,630 | 52 |
| Other | 1,639 | 1,684 | 45 |
| Operating income | 651 | 1,214 | 563 |
| Electronic Devices | 541 | 1,128 | 587 |
| Electronic Systems | 112 | 88 | (24) |
| Non-operating income | 167 | 152 | (15) |
| Foreign exchange gains | 9 | - | (9) |
| Equity in earnings of affiliates | 89 | 88 | (1) |
| Non-operating expenses | 166 | 1,440 | 1,274 |
| Foreign exchange losses | - | 1,146 | 1,146 |
| Ordinary income | 652 | (73) | (725) |
| Extraordinary income | 0 | 3 | 2 |
| Extraordinary loss | 17 | 0 | (17) |
| Income before income taxes and minority interests | 635 | (70) | (705) |
| Income taxes | 204 | (44) | (248) |
| Profit attributable to non-controlling interests | 128 | 44 | (84) |
| Profit attributable to owners of parent | 302 | (70) | (372) |
| Number of Employees | 1,411 | 1,390 | (21) |
| Gross Profit Margin | 6.9\% | 7.8\% | - |
| Electronic Devices | 5.7\% | 6.8\% | - |
| Electronic Systems | 16.1\% | 13.3\% | - |
| Operating Profit Margin | 0.9\% | 1.7\% | - |
| Electronic Devices | 0.9\% | 1.9\% | - |
| Electronic Systems | 1.3\% | 0.9\% | - |
| Ordinary Profit Margin | 0.9\% | - | - |
| Net Profit Margin | 0.4\% | - | - |

Consolidated Sales by Segment

| (Millions of Yen) | $\begin{gathered} \hline \text { FY2017 } \\ \text { 17/4-6 } \\ \text { Results } \end{gathered}$ | $\begin{gathered} \hline \text { FY2018 } \\ 18 / 4-6 \end{gathered}$ <br> Results | Increase /Decrease |
| :---: | :---: | :---: | :---: |
| Total Electronic Devices | 62,118 | 60,920 | $(1,198)$ |
| Semiconductors | 58,222 | 57,167 | $(1,055)$ |
| Analog IC | 15,449 | 15,093 | (356) |
| Standard Logic IC | 859 | 764 | (95) |
| Memory IC | 5,437 | 4,834 | (603) |
| Micro-Processor | 3,436 | 3,956 | 519 |
| Special-Use IC | 30,076 | 29,618 | (458) |
| Custom IC | 2,843 | 2,541 | (302) |
| Other | 122 | 362 | 239 |
| Electronic Components | 3,896 | 3,753 | (143) |
| Total Electronic Systems | 8,345 | 10,291 | 1,946 |
| Space \& Defense Electronics | 897 | 997 | 100 |
| Industrial Equipment | 3,659 | 4,348 | 689 |
| Laser Equipment | 865 | 1,015 | 150 |
| Information and communication Equipment | 293 | 375 | 82 |
| Medical Equipment | 2,631 | 3,557 | 926 |
| Total Net Sales | 70,464 | 71,211 | 747 |

Consolidated Balance Sheets

| (Millions of Yen) | $\begin{gathered} \text { FY2017 } \\ \text { 18/3 } \\ \text { Results } \end{gathered}$ | $\begin{gathered} \hline \text { FY2018 } \\ \text { 18/6 } \\ \text { Results } \\ \hline \end{gathered}$ | Increase /Decrease |
| :---: | :---: | :---: | :---: |
| Current assets | 122,297 | 123,333 | 1,036 |
| Cash and deposits | 13,989 | 16,813 | 2,824 |
| Notes and accounts receivable-trade | 60,820 | 60,738 | (82) |
| Merchandise and finished goods | 44,987 | 43,523 | $(1,464)$ |
| Work in process | 126 | 186 | 60 |
| Deferred tax assets | - |  | 0 |
| Other | 2,386 | 2,086 | (300) |
| Allowance for doubtful accounts | (13) | (14) | (1) |
| Noncurrent assets | 13,408 | 13,436 | 28 |
| Property, plant and equipment | 3,529 | 3,485 | (44) |
| Intangible assets | 1,601 | 1,682 | 81 |
| Investments and other assets | 8,277 | 8,268 | (9) |
| Total assets | 135,706 | 136,770 | 1,064 |
| Current liabilities | 75,765 | 78,185 | 2,420 |
| Notes and accounts payable-trade | 37,247 | 34,122 | $(3,125)$ |
| Short-term loans payable | 34,687 | 40,272 | 5,585 |
| Current portion of long-term loans payable | 112 | 112 | 0 |
| Provision for bonuses | 1,044 | 539 | (505) |
| Other | 2,672 | 3,138 | 466 |
| Noncurrent liabilities | 10,763 | 10,695 | (68) |
| Long-term loans payable | 8,875 | 8,847 | (28) |
| Net defined benefit liability | 1,388 | 1,353 | (35) |
| Provision for directors' retirement benefits | 108 | 111 | 3 |
| Other | 391 | 382 | (9) |
| Total liabilities | 86,529 | 88,881 | 2,352 |
| Shareholders' equity | 41,596 | 41,007 | (589) |
| Accumulated other comprehensive income | 1,439 | 1,015 | (424) |
| Non-controlling interests | 6,140 | 5,866 | (274) |
| Total net assets | 49,177 | 47,889 | $(1,288)$ |
| Total liabilities and net assets | 135,706 | 136,770 | 1,064 |

* "Partial Amendments to 'Accounting Standard for Tax Effect Accounting'" was applied from the first quarter of the fiscal year ended March 31, 2019, and deferred tax assets are shown in the category of other assets. The statements of the fiscal year ended March 31, 2018 were reorganized into new categories.


## Consolidated Statements of Cash Flows

| (Millions of Yen) | FY2017 | FY2018 |
| :--- | :---: | :---: |
|  | $17 / 4-6$ <br> Results | Results |
| Net cash provided by (used in) operating activities | $\mathbf{( 7 2 8 )}$ | $\mathbf{( 1 8 9 )}$ |
| Income before income taxes and minority interests | 635 | $(70)$ |
| Depreciation and amortization | 99 | 99 |
| Foreign exchange losses (gains) | $(7)$ | 1,262 |
| Equity in (earnings) losses of affiliates | $(89)$ | $(88)$ |
| Decrease (increase) in notes and accounts receivable-trade | 1,315 | $(2)$ |
| Decrease (increase) in inventories | $(1,077)$ | 1,175 |
| Increase (decrease) in notes and accounts payable-trade | $(3,016)$ | $(2,969)$ |
| Other, net | 1,643 | 912 |
| Subtotal | $(497)$ | 319 |
| Interest and dividends income received | 204 | 96 |
| Interest expenses paid | $(119)$ | $(226)$ |
| Income taxes paid | $(317)$ | $(379)$ |
| Income taxes refund | $\mathbf{2}$ | $\mathbf{1}$ |
| Net cash provided by (used in) investing activities | $\mathbf{( 3 5 9 )}$ | $\mathbf{( 2 6 2 )}$ |
| Net cash provided by (used in) financing activities | $\mathbf{2 , 0 7 4}$ | $\mathbf{3 , 6 9 9}$ |
| Effect of exchange rate change on cash and cash equivalents | $\mathbf{( 7 5 )}$ | $(3)$ |
| Net increase(decrease) in cash and cash equivalents | $\mathbf{9 1 0}$ | 3,243 |
| Cash and cash equivalents at beginning of period | $\mathbf{1 3 , 0 8 4}$ | 13,715 |
| Cash and cash equivalents at end of period | $\mathbf{1 6 , 5 7 4}$ |  |

Consolidated Statement of Income (1st Half)

| (Millions of Yen) | FY2017 <br> 1st Half <br> Results | FY2018 <br> 1st Half Forecast | Increase /Decrease |
| :---: | :---: | :---: | :---: |
| Net Sales | 169,875 | 160,000 | $(9,875)$ |
| Electronic Devices | 150,361 | 139,000 | $(11,361)$ |
| Electronic Systems | 19,513 | 21,000 | 1,487 |
| Cost of Sales | 159,603 | 149,800 | $(9,803)$ |
| Gross Profit | 10,272 | 10,200 | (72) |
| Electronic Devices | 7,058 | 6,900 | (158) |
| Electronic Systems | 3,213 | 3,300 | 87 |
| Selling, general and administrative expenses | 8,518 | 8,950 | 432 |
| Operating income | 1,753 | 1,250 | (503) |
| Ordinary income | 1,314 | 1,020 | (294) |
| Income before income taxes and minority interests | 1,104 | 1,020 | (84) |
| Profit attributable to owners of parent | 390 | 465 | 75 |
| Gross Profit Margin | 6.0\% | 6.4\% |  |
| Electronic Devices | 4.7\% | 5.0\% |  |
| Electronic Systems | 16.5\% | 15.7\% |  |
| Operating Profit Margin | 1.0\% | 0.8\% |  |
| Ordinary Profit Margin | 0.8\% | 0.6\% |  |
| Net Profit Margin | 0.2\% | 0.3\% |  |

Consolidated Statement of Income (Full Year)

| (Millions of Yen) | FY2017 <br> Results | FY2018 <br> Forecast | Increase /Decrease |
| :---: | :---: | :---: | :---: |
| Net Sales | 347,508 | 315,000 | $(32,508)$ |
| Electronic Devices | 296,524 | 262,500 | $(34,024)$ |
| Electronic Systems | 50,983 | 52,500 | 1,517 |
| Cost of Sales | 326,346 | 292,500 | $(33,846)$ |
| Gross Profit | 21,161 | 22,500 | 1,339 |
| Electronic Devices | 13,534 | 14,000 | 466 |
| Electronic Systems | 7,627 | 8,500 | 873 |
| Selling, general and administrative expenses | 17,390 | 17,800 | 410 |
| Operating income | 3,771 | 4,700 | 929 |
| Ordinary income | 4,218 | 4,300 | 82 |
| Income before income taxes and minority interests | 3,912 | 4,300 | 388 |
| Profit attributable to owners of parent | 2,077 | 2,500 | 423 |
| Gross Profit Margin | 6.1\% | 7.1\% |  |
| Electronic Devices | 4.6\% | 5.3\% |  |
| Electronic Systems | 15.0\% | 16.2\% |  |
| Operating Profit Margin | 1.1\% | 1.5\% | - |
| Ordinary Profit Margin | 1.2\% | 1.4\% | - |
| Net Profit Margin | 0.6\% | 0.8\% |  |

## Consolidated Sales by Segment (Full Year)

| (Millions of Yen) |   <br>  FY2017 <br> Results  | FY2018 <br> Forecast | Increase <br> /Decrease |
| :--- | ---: | ---: | ---: |
| Total Electronic Devices | $\mathbf{2 9 6 , 5 2 4}$ | $\mathbf{2 6 2 , 5 0 0}$ | $\mathbf{( 3 4 , 0 2 4 )}$ |
| Semiconductors | $\mathbf{2 7 9 , 4 7 2}$ | $\mathbf{2 4 2 , 5 1 3}$ | $\mathbf{( 3 6 , 9 6 0 )}$ |
| Analog IC | 62,728 | 60,608 | $(2,119)$ |
| Standard Logic IC | 3,273 | 1,709 | $(1,564)$ |
| Memory IC | 19,914 | 9,638 | $(10,276)$ |
| Micro-Processor | 14,142 | 14,404 | 262 |
| Special-Use IC | 167,999 | $\mathbf{1 4 6 , 6 6 0}$ | $(21,339)$ |
| Custom IC | 10,943 | 9,026 | $(1,917)$ |
| Other | 473 | 466 | $(7)$ |
| Electronic Components | $\mathbf{1 7 , 0 5 3}$ | $\mathbf{1 9 , 9 8 7}$ | $\mathbf{2 , 9 3 5}$ |
| Total Electronic Systems | $\mathbf{5 0 , 9 8 3}$ | $\mathbf{5 2 , 5 0 0}$ | $\mathbf{1 , 5 1 7}$ |
| Space \& Defense Electronics | 5,409 | 6,003 | 594 |
| Industrial Equipment | 19,763 | 18,583 | $(1,180)$ |
| Laser Equipment | 5,186 | 7,038 | $\mathbf{1 , 8 5 3}$ |
| Information and communication Equipment | 1,514 | 1,735 | $\mathbf{2 2 2}$ |
| Medical Equipment | 19,116 | 19,140 | $\mathbf{2 4}$ |
| Total Net Sales | $\mathbf{3 4 7 , 5 0 8}$ | $\mathbf{3 1 5 , 0 0 0}$ | $\mathbf{( 3 2 , 5 0 8 )}$ |

Consolidated Statements of Income (Quarterly)

| (Millions of Yen) | FY2017 |  |  |  |  | FY2018 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1Q | 2Q | 3Q | 4Q | Full Year | 1Q |
| Net Sales | 70,464 | 99,410 | 99,847 | 77,785 | 347,508 | 71,211 |
| Electronic Devices | 62,118 | 88,243 | 88,225 | 57,937 | 296,524 | 60,920 |
| Electronic Systems | 8,345 | 11,167 | 11,622 | 19,848 | 50,983 | 10,291 |
| Cost of Sales | 65,594 | 94,008 | 94,003 | 72,740 | 326,346 | 65,682 |
| Gross Profit | 4,869 | 5,402 | 5,844 | 5,045 | 21,161 | 5,529 |
| Electronic Devices | 3,528 | 3,529 | 4,120 | 2,356 | 13,534 | 4,159 |
| Electronic Systems | 1,340 | 1,872 | 1,723 | 2,689 | 7,627 | 1,369 |
| Selling, general and administrative expenses | 4,218 | 4,300 | 4,384 | 4,487 | 17,390 | 4,314 |
| Operating income | 651 | 1,102 | 1,459 | 558 | 3,771 | 1,214 |
| Electronic Devices | 541 | 426 | 1,036 | (764) | 1,240 | 1,128 |
| Electronic Systems | 112 | 678 | 426 | 1,325 | 2,542 | 88 |
| Non-operating income | 167 | 151 | 153 | 1,301 | 1,773 | 152 |
| Non-operating expenses | 166 | 591 | 311 | 258 | 1,327 | 1,440 |
| Ordinary income | 652 | 662 | 1,301 | 1,601 | 4,218 | (73) |
| Extraordinary income | 0 | (0) | 5 | 0 | 6 | 3 |
| Extraordinary loss | 17 | 193 | 14 | 86 | 311 | 0 |
| Income before income taxes and minority interests | 635 | 468 | 1,292 | 1,515 | 3,912 | (70) |
| Income taxes | 204 | 263 | 367 | 537 | 1,373 | (44) |
| Profit attributable to non-controlling interests | 128 | 117 | 121 | 94 | 461 | 44 |
| Profit attributable to owners of parent | 302 | 87 | 803 | 883 | 2,077 | (70) |
| Gross Profit Margin | 6.9\% | 5.4\% | 5.9\% | 6.5\% | 6.1\% | 7.8\% |
| Electronic Devices | 5.7\% | 4.0\% | 4.7\% | 4.1\% | 4.6\% | 6.8\% |
| Electronic Systems | 16.1\% | 16.8\% | 14.8\% | 13.5\% | 15.0\% | 13.3\% |
| Operating Profit Margin | 0.9\% | 1.1\% | 1.5\% | 0.7\% | 1.1\% | 1.7\% |
| Ordinary Profit Margin | 0.9\% | 0.7\% | 1.3\% | 2.1\% | 1.2\% | - |
| Net Profit Margin | 0.4\% | 0.1\% | 0.8\% | 1.1\% | 0.6\% | - |

## Consolidated Sales by Segment (Quarterly)

| (Millions of Yen) | FY2017 |  |  |  |  | FY2018 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1Q | 2Q | 3Q | 4Q | Full Year | 1Q |
| Total Electronic Devices | 62,118 | 88,243 | 88,225 | 57,937 | 296,524 | 60,920 |
| Semiconductors | 58,222 | 84,528 | 83,272 | 53,450 | 279,472 | 57,167 |
| Analog IC | 15,449 | 15,599 | 16,227 | 15,453 | 62,728 | 15,093 |
| Standard Logic IC | 859 | 808 | 805 | 801 | 3,273 | 764 |
| Memory IC | 5,437 | 6,494 | 4,193 | 3,790 | 19,914 | 4,834 |
| Micro-Processor | 3,436 | 3,250 | 4,149 | 3,307 | 14,142 | 3,956 |
| Special-Use IC | 30,076 | 55,097 | 54,816 | 28,009 | 167,999 | 29,618 |
| Custom IC | 2,843 | 2,965 | 2,911 | 2,224 | 10,943 | 2,541 |
| Other | 122 | 314 | 171 | (134) | 473 | 362 |
| Electronic Components | 3,896 | 3,715 | 4,954 | 4,488 | 17,053 | 3,753 |
| Total Electronic Systems | 8,345 | 11,167 | 11,622 | 19,848 | 50,983 | 10,291 |
| Space \& Defense Electronics | 897 | 1,068 | 1,200 | 2,244 | 5,409 | 997 |
| Industrial Equipment | 3,659 | 4,623 | 4,392 | 7,089 | 19,763 | 4,348 |
| Laser Equipment | 865 | 1,468 | 1,374 | 1,479 | 5,186 | 1,015 |
| Information and communication Equipment | 293 | 294 | 322 | 604 | 1,514 | 375 |
| Medical Equipment | 2,631 | 3,715 | 4,333 | 8,437 | 19,116 | 3,557 |
| Total Net Sales | 70,464 | 99,410 | 99,847 | 77,785 | 347,508 | 71,211 |

## Consolidated Balance Sheets (Quarterly)

| (Millions of Yen) | FY2017 |  |  |  | FY2018 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Jun.30,2017 | Sep.30,2017 | Dec.31,2017 | Mar.31,2018 | Jun.30,2018 |
| Current assets | 112,428 | 132,509 | 122,835 | 123,322 | 123,333 |
| Cash and deposits | 13,482 | 15,840 | 11,813 | 13,989 | 16,813 |
| Notes and accounts receivable-trade | 63,827 | 78,373 | 72,641 | 60,820 | 60,738 |
| Merchandise and finished goods | 30,172 | 33,094 | 34,251 | 44,987 | 43,523 |
| Work in process | 427 | 408 | 286 | 126 | 186 |
| Deferred tax assets | 1,040 | 1,156 | 1,016 | 1,024 |  |
| Other | 3,565 | 3,652 | 2,838 | 2,386 | 2,086 |
| Allowance for doubtful accounts | (87) | (17) | (12) | (13) | (14) |
| Noncurrent assets | 12,341 | 12,263 | 12,590 | 12,474 | 13,436 |
| Property, plant and equipment | 3,511 | 3,523 | 3,521 | 3,529 | 3,485 |
| Intangible assets | 1,253 | 1,407 | 1,512 | 1,601 | 1,682 |
| Investments and other assets | 7,577 | 7,332 | 7,557 | 7,342 | 8,268 |
| Total assets | 124,770 | 144,773 | 135,426 | 135,796 | 136,770 |
| Current liabilities | 66,542 | 86,334 | 76,109 | 75,765 | 78,185 |
| Notes and accounts payable-trade | 34,829 | 40,171 | 40,498 | 37,247 | 34,122 |
| Short-term loans payable | 27,636 | 42,572 | 32,491 | 34,687 | 40,272 |
| Current portion of long-term loans payable | 112 | 112 | 112 | 112 | 112 |
| Provision for bonuses | 705 | 1,027 | 564 | 1,044 | 539 |
| Other | 3,258 | 2,450 | 2,442 | 2,672 | 3,138 |
| Noncurrent liabilities | 11,093 | 11,032 | 11,005 | 10,854 | 10,695 |
| Long-term loans payable | 8,960 | 8,932 | 8,904 | 8,875 | 8,847 |
| Net defined benefit liability | 1,555 | 1,510 | 1,477 | 1,388 | 1,353 |
| Provision for directors' retirement benefits | 100 | 101 | 104 | 108 | 111 |
| Other | 477 | 489 | 518 | 481 | 382 |
| Total liabilities | 77,636 | 97,367 | 87,114 | 86,619 | 88,881 |
| Shareholders' equity | 40,083 | 40,171 | 40,713 | 41,596 | 41,007 |
| Accumulated other comprehensive income | 1,376 | 1,427 | 1,603 | 1,439 | 1,015 |
| Non-controlling interests | 5,673 | 5,807 | 5,995 | 6,140 | 5,866 |
| Total net assets | 47,134 | 47,406 | 48,311 | 49,177 | 47,889 |
| Total liabilities and net assets | 124,770 | 144,773 | 135,426 | 135,796 | 136,770 |

* "Partial Amendments to 'Accounting Standard for Tax Effect Accounting'" was applied from the first quarter of the fiscal year ended March 31, 2019, and deferred tax assets are shown in the category of other assets.


## Consolidated Statements of Cash Flows (Quarterly)

| (Millions of Yen) | FY2017 |  |  |  | FY2018 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1Q | 2Q | 3Q | 4Q | 1Q |
| Net cash provided by (used in) operating activities | (728) | $(12,672)$ | $(6,060)$ | $(7,619)$ | (189) |
| Income before income taxes and minority interests | 635 | 1,104 | 2,396 | 3,912 | (70) |
| Depreciation and amortization | 99 | 199 | 301 | 406 | 99 |
| Foreign exchange losses (gains) | (7) | 356 | 425 | $(1,283)$ | 1,262 |
| Equity in (earnings) losses of affiliates | (89) | (193) | (296) | (397) | (88) |
| Decrease (increase) in notes and accounts receivable-trade | 1,315 | $(13,240)$ | $(7,454)$ | 4,326 | (2) |
| Decrease (increase) in inventories | $(1,077)$ | $(4,000)$ | $(5,008)$ | $(15,582)$ | 1,175 |
| Increase (decrease) in notes and accounts payable-trade | $(3,016)$ | 2,340 | 2,652 | (492) | $(2,969)$ |
| Other, net | 1,643 | 1,258 | 1,883 | 2,659 | 912 |
| Subtotal | (497) | $(12,174)$ | $(5,100)$ | $(6,450)$ | 319 |
| Interest and dividends income received | 204 | 215 | 296 | 314 | 96 |
| Interest expenses paid | (119) | (280) | (468) | (653) | (226) |
| Income taxes paid | (317) | (441) | (799) | (841) | (379) |
|  | 0 | - | - |  | 0 |
| Net cash provided by (used in) investing activities | (359) | (557) | (749) | (964) | (262) |
| Net cash provided by (used in) financing activities | 2,074 | 16,564 | 6,199 | 10,374 | 3,699 |
| Effect of exchange rate change on cash and cash equivalents | (75) | (19) | (20) | (248) | (3) |
| Net increase(decrease) in cash and cash equivalents | 910 | 3,316 | (631) | 1,542 | 3,243 |
| Cash and cash equivalents at beginning of period | 12,216 | 12,216 | 12,216 | 12,216 | 13,715 |
| Cash and cash equivalents at end of period | 13,084 | 15,489 | 11,541 | 13,715 | 16,574 |

